

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: John Koza <70412.3312@CompuServe.COM>  
Subject: [3658] 4 Novices in the Woods tnx  
Message-ID: <960905194121\_70412.3312\_JHD35-2@CompuServe.COM>

Hi gang:

Thanks for all the great replies, advice, information and especially encouragement.

After digesting it all, I think that we'll probably go with a single band rig - cheaper, easier, etc. The kids can shoot for something more complex after they get their feet wet and find out for themselves what they really want and need in a rig. A suggestion was made that before building they practice soldering on some old boards with cast off components. Good advice! My son did this before he built his tentec regen. It built his confidence for working with the "real thing." The rig building will probably be a series of Saturday mornings - just taking our time, and doing it right (I hope!). I'll post up our progress.

As regards this weekend's expedition to 3050' North Doublehead Mt. in Jackson NH, our loaner HW-8 is supposed to arrive tomorrow. Assuming it checks out, we'll be on the air Saturday, Sept. 7 beginning about 2000Z, 7110 KHz, (until it gets dark, around 0000Z I think) and again on Sunday around 1300Z. As everyone knows, 40M novice is filled with BC interference, and there seems to be a lot of digital activity at the low end of the band, for good measure. We'll try to sneak in between it all!

We will have three novice ops (our fourth cancelled yesterday, unfortunately):

Melissa, KB1BYH  
Frank, KB1BYK  
Stephen, KB1BYJ

Can you tell they all took the test at the same time?

Tnx again es 73 de John, N1XLQ  
70412.3312@compuserve.com

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: Mike Boice <kd0fx@worldnet.att.net>  
Subject: [3660] Alignment Tool Summary  
Message-ID: <1.5.4.32.19960905205950.0067a068@postoffice.worldnet.att.net>

Since so many people responded to my initial question of acquiring alignment tools for an HW-8, and others asked me to forward the responses to them, I

decided just to post a little summary of what was suggested. This isn't all the messages - I missed some that were posted directly to the group.

1. Carve a dowel to fit, using wooden-stemmed cotton swabs. Keep length above top hex slug original diameter, but trim all length below it to allow free rotation.

2. Take a broken plastic knitting needle and grind a screwdriver blade on the end. Some of the plastic needles are fairly hard, and make good non-metallic screwdrivers.

3. Use one of the alignment sets from Radio Shack. The 1997 catalog lists 3 sets: 3-piece non-static \$3.99; 5-piece TV \$2.99; 2-piece TV .99. One posting mentioned the \$2.99 TV set, but the tools were either not long enough, or too thick to adjust one core. The problem was resolved with a modified toothpick.

4. Go to your local tavern, ie: bar and grill, and ask the friendly guy there for some "swizzel" sticks. The things we used to stir our drinks with. They are square plastic rods about 6" long and less than 1/4" square. File the end to meet your needs. It's rigid, nonconductive and can stir your drinks after you have reshaped it. (This enjoyable option courtesy of Bob, WA2EAW.)

5. From "Small Part's" (assumably "Dan's") get an extra 1/4" shaft extension of either delrin or one of the other plastics they offer. They are cheap, about \$1, and come in a variety of lengths. Then just grind one end down flat, like a screwdriver blade.

6. A \$20 (guestimated) kit from E.F. Johnson, with 3 shafts and spare bits. A knurled collar holds the shaft in the end of the tool. Two of the tools are blade types, one about 1/8" wide (great for Mouser "green" coils) and one about 1/16". The third tool has a tapered wedge shape and the end is about 3/64" wide, perfect for Toko coils, etc. Spare bits are available. Probably only available through authorized E.F. Johnson land mobile dealers. Check the yellow pages.

7. Cut a long, narrow piece of fiberglass copperclad, remove the copper in whatever way you have available, sharpen one end. You can make as many sizes and shapes as you need, and the fiberglass is plenty rigid enough to do the job.

8. W8LRM suggested contacting RT0 Electronics in Berrien Springs, Michigan. Ron was a former Heath Tech on ham gear and advertises in the mags.

There you have it. Many ideas and methods, so little time.....

73,  
mike KD0FX  
Richland WA QRP-L #576

From owner-qrp-l@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>  
Subject: [3682] Also FS: Heathkit SA-2040 Antenna tuner  
Message-ID: <Pine.3.89.9609052236.B12780-0100000@w3eax.umd.edu>

Roller inductor tuner, PRESERVE THOSE PRECIOUS WATTS!

Have partial manual. Unit is in excellent condition, and is black and gray in color. Turns counter but no meters, has balun for random wire/balanced line antennas.

Big. Like 16x16x6". Asking \$140. Thanks.

ObQRP:

Worked LZ1LZ in Sofia this evening on 14.029 with 900 mW output to my crummy attic dipole.

\* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 \*  
\*\*\* 6m 75 grids worked on 8 watts \*\*\* HF 138 cfmd \* QRP-L #147 \*\*\*  
\*\* QRP ARCI #9054 \*\* DXCC/WAS/WAC \*\*\* 100% dipole powered HF/6m \*\*  
\* 301-549-1022 h / 301-982-1015 w \*\*\* 145.490- 147.225+ PL 156.7 \*

From owner-qrp-l@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: "Jeff M. Gold" <JMG@tntech.edu>  
Subject: [3632] Argonaut 509/M  
Message-ID: <01I942L5N7088WXQ06@tntech.edu>

From owner-qrp-l@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: "Jeff M. Gold" <JMG@tntech.edu>  
Subject: [3633] Argonaut 509/M  
Message-ID: <01I942LH8MOU8WXQ06@tntech.edu>

I used a 509 mobile for a few years in an Acura Integra. I took the top of an old toaster (real heavy metal) and cut it so that it was bolted to the inside of my glove compartment (so that when I took it out .. no damage to the car). I then used bungee cords to secure the 509 on top of that. I used a home made keyer and a fantastic set of handmade Schurr paddles strapped to my leg with one of those old metal army things someone had given me. I bought a Radio Shack noise filter setup (think it was bout \$20).

I used it to test many mobile antennas. I had great success regularly.. it was a little hard in town driving a stick shift and doing CW.. but sure got my code speed up and my ability to copy in my head. I also had very good luck with SSB using the rig. Had to part with it a while back when I was forced to sell off most of my Ten Tec collection. I still have my Argosy II.. think that is what you might want to get your hands on. has a switch for either 5/50 and is small and does a great job.. the TT noise blanker on it is about worthless.

73

Jeff, AC4HF

From owner-qrp-l@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: "Jim Kortge, K8IQY" <jokortge@tir.com>  
Subject: [3674] Back on List  
Message-ID: <1.5.4.16.19960906012217.2c3f941a@tir.com>

Gang...thanks to all who responded to my inquiry. I figured out what happened. My internet provider thought that I had not payed for more service, and abruptly shut off my service. It took several days to get things ironed out. In the meantime, all of the mail from the group had to be bouncing all over the place, and the finally, (and thankfully) the qrp-l sysop pulled the plug.

I resubscribed to the list and hopefully everything will start working again. Thanks again for the earlier replies.

72...Jim

Jim Kortge, K8IQY (ex NU8N)		BMHA, NorCal, QRP-L
jokortge@tir.com	__o	Cascade 17/40 SSB
Fenton, MI	_`<	Mizuho 17/40 SSB
...	(*)/(*)	...

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: mvjfm@mvubr.att.com  
Subject: [3657] Battery  
Message-ID: <199609052020.QAA23366@alig1.att.att.com>

Recently purch. 6 AH 12V Gell Cell encased Battery pkg.

I paid \$21 for it.

Inside, are 2 6V 4 AH Yaseua (sp?) Gell cells.

I used a small wall charger made up of an AC transformer into a full wave diode bridge. It delivers about 120 ma and I ran it overnight to fully charge the battery.

The green (charged up) LED came on and I measured about 13.5 V. Think I could let it run it up to 14.4 V. Will have to take the assembly apart (again) and read the charging instructions stamped on the battery case.

12 Hours later the quiescent battery measured around 13.0 V.

The good things about the battery pkg. are the LED indicators (Good, Charge, Full, Empty) LEDs, the fuse holder, (I will replace the 15A with a 1A fuse) the on-off switch, the protective case, and the carrying handle.

The bad things are the size of the pkg, and inconvenient types of 12V output connectors (cigar lighter types).

FYI:

My 10 year old 6 AH Yaseua gelcell battery still runs my Argo 509 all weekend.

I think the 12V 6AH Radio Shack battery for \$25 might still be a good buy, if size is important.

W1FMR

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: mykey@aztec.asu.edu (MICHAEL C. TODD)

Subject: [3650] code trainer  
Message-ID: <9609051731.AA19127@aztec.asu.edu>

If anyone in this group has any experience using the "Pocket Morse Code Trainer" as sold by Computer Aided Technology of Dallas, your comments would be appreciated.  
tnx

W9UQB Mike (Phoenix)

--

[B[C

From owner-qrp-l@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: weinfurtner@ouvaxa.cats.ohiou.edu (Greg Weinfurtner)  
Subject: [3628] Commercial using Morse Code  
Message-ID: <v01510101ae5469ed2d7a@[132.235.72.11]>

Gang,

Anyone catch the SOS cleaning pad TV commercial that has pot, pans and silverware slamming out: dot,dot,dot dah,dah,dah dit,dit,dit? I didn't notice it at first, just thought it was another obnoxious ad. Then it dawned on me that it was sending S. O. S. ! Morse code lives!

NS80

From owner-qrp-l@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: kb0rol@juno.com (Bradley L Mugleston)  
Subject: [3619] editing in Juno  
Message-ID: <19960904.232559.7695.3.kb0rol@juno.com>

Charles,

You asked about editing a file in JUNO. It depends on what you are going to do with the file once you've edited it.

If your going to edit it for sending on to this list (QRP-L) you will need an ASCII editor. If you are going to edit it for fancy printing use

any old word processor. Either way its the same.

1 - Get into your editor

2 - Open the file you want by going to the JUNO subdirectory and then into the USER0000 (or 0001 or 0002 depending on the number of users you have) directory then open the correct file (probably the FOLD0000 file). Again all this depends on how many users you have and the number of folders you are storing things in.

3- This file you open will have ALL the messages saved in the file so you may want to copy the files you want to edit into their own FOLDER (File, create folder, copy and past selected files/text into folder).

4- If you don't use an ASCII editor do not try to read the saved file once back in JUNO, it won't work. If you use an ASCII editor it will look just like all the other files in any JUNO folder.

This should do it. If you have any questions, you know where to reach me.

de

Brad Mugleston - KB0ROL  
Colorado QRP Club #170, QRP-L # , ARRL  
QTH - Aurora, CO - DM79oq  
KB0ROL@JUNO.COM  
BMUG@GWL.COM

From owner-qrp-l@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>  
Subject: [3681] FS: MFJ-941C ant tuner  
Message-ID: <Pine.3.89.9609052229.A12731-0100000@w3eax.umd.edu>

About 9x7x2.5", works well and handles 2 coax antennas plus a bypass coax.

Balanced line and random wire antennas can also be fed. Unit is in very good condition (with single meter). Woodgrain & tan, asking \$50 shipped.

Thanks!

\* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 \*  
\*\*\* 6m 75 grids worked on 8 watts \*\*\* HF 138 cfmd \* QRP-L #147 \*\*\*  
\*\* QRP ARCI #9054 \*\* DXCC/WAS/WAC \*\*\* 100% dipole powered HF/6m \*\*  
\* 301-549-1022 h / 301-982-1015 w \*\*\* 145.490- 147.225+ PL 156.7 \*

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: Marshall Emm <75230.1405@CompuServe.COM>  
Subject: [3642] FT757 Alignment  
Message-ID: <960905152521\_75230.1405\_HHB54-3@CompuServe.COM>

I've (finally) measured what I suspected to be the case when I got my FT757GX2 recently-- the transmit offset and the sidetone pitch do not line up (about 150Hz difference). I have an operating manual but nothing technical, not even a schematic.

Can anyone with that rig give me instructions for adjusting the transmit offset, the side-tone pitch, or both? BTW, have determined it is NOT the same as the earlier FT757.

Any help appreciated!

73  
Marshall  
AA0XI

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: "Frank G3YCC" <g3ycc@enterprise.net>  
Subject: [3668] Going to Rochdale?  
Message-ID: <199609052224.XAA29238@mail.enterprise.net>

I wonder who will be visiting the G QRP Club convention in October? I will compose a list if you would let me know. Not you, Dick I know you'll be there!

Enjoy your QRPing!

--

Frank G3YCC  
Ham Radio QRP Web Page:  
<http://homepages.enterprise.net/g3ycc/>

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: BParkes@aol.com  
Subject: [3676] Handy Power System  
Message-ID: <960905213554\_472686886@emout10.mail.aol.com>

The instruction sheet that came with mine says it contains sealed lead acid



batteries and they even use you to recycle them when "depleted".

73 Bruce KA2XGW

From owner-qrp-l@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: kb0rol@juno.com (Bradley L Mugleston)  
Subject: [3620] Helicoidal vertical antenna  
Message-ID: <19960904.232559.7695.4.kb0rol@juno.com>

Pierre,

Read your post about your antenna, looks great - I could use something like that. Have you thought about replacing your enamelled copper wire with conductive copper tape like the stuff sold as TapeTenna by Hamco? I saw an antenna built with this stuff and it looked like the coils would hold up a lot better (its flat against the PVC) when thrown around for storage. I can't remember where I've seen it advertised (QST, 73 or CQ I think) but its out there somewhere. If you can't find an address for it give me a shout and I'll look it up for you when I find my desk (I know its under all this paper somewhere).

BTW - my print out of your message contained a LOT (I MEAN A LOT!!!) of =3D repeats. I think this is how the TAB key is translated from where ever to its final destination.

Brad Mugleston - KB0ROL  
Colorado QRP Club #170, QRP-L # , ARRL  
QTH - Aurora, CO - DM79oq  
KB0ROL@JUNO.COM  
BMUG@GWL.COM

From owner-qrp-l@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: Duane Anderson <usnret@concentric.net>  
Subject: [3679] help getting my qrp-l number again.  
Message-ID: <322F8D7A.7962@concentric.net>

I used to subscribe to this list many moons ago and unsubscribed for a time. Before going QRT here, I applied for a qrp-l number and got it. Since then, I have forgotten it. (thats what happens in old age). Now I am back on and subscribed to the group again and decided to find out what my number is (since I just read that once you have one, it will remain with you). I sent the following to the listserver:

RUN QRP-L X GETNR KJ7HO

what I got back was a computerized slap on the

hands...."usnret@concentric.net: This request may be issued by owners and subscribers only."

Looks like the system does not recognize me as a member. Anyone have any ideas on this??

Tnx,  
Duane, KJ7H0

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: "John A. Evans" <jaevans@cos.cst.titan.com>  
Subject: [3639] HW5400 and QRP  
Message-ID: <199609051425.KAA49853@nss2.CC.Lehigh.EDU>

Greetings,

Is anyone out there using an HW-5400 for QRP. What are your experiences with the rig and opinions?? I have a chance to grab hold of one for a decent price (whatever that may be) and wondered if I should bother.

72, n3qoo

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John A. Evans                      Chief System Administrator  
Office: (719) 528-1800 x164              Titan Client/Server Technologies  
Fax:        (719) 528-1275              1115 Elkton Dr, Suite 200  
email:    jaevans@cos.cst.titan.com    Colorado Springs, CO 80907-3535  
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From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: Paul Stroud <aa4xx@ipass.net>  
Subject: [3663] KL QRPizza Party  
Message-ID: <322F4851.4374@ipass.net>

Hi Gang,

The KnightLites are going to have a pizza party at the home of Dennis-WR4I in Chapel Hill, NC Thursday, September 12th at 7PM. We'll look forward to seeing you all there. Please bring along your QRP goodies for show and tell. (Bob-AE4IC, can you bring your Sierra with the KC-2?) We'll also be showing the KL Field Day video from the Blue Ridge Mountains. Maybe Dennis will even show us how he operates QRP cw in the reclining position!

We hope you'll come and share in the fun and fellowship. Please invite a friend and spread the word. We would appreciate it if you could RSVP to Dennis (WR4I@nando.net) so we'll know how much pizza to order.

72,  
paul

(Fwd from WR4I)

=====

Directions to Dennis' place..604 Oak Crest Dr in Chapel Hill.

Take 15-501 headed south towards Chapel Hill (get off I-40 at the CH exit). Head towards UNC. Exit from the 15-501 bypass at where the sign says PITTSBORO/UNC. Head towards Pittsboro..left off the exit. Go about three miles and you will get to a light were Smith Level Rd and 501 intersect. This is just before you cross the CHATHAM Cty line. There is a (very)small shopping center with a gas station on the right. As soon as you get past the light take a RIGHT onto BOOTH RD. Its hard to see the sign so be careful.

Its not more that 200 ft or so from the light and there's a Daycare next to it. Go ONE mile and take a left onto OAKCREST Dr. The street sign is on a stone marker and almost impossible to see in daylight. If you miss the first left take the second as it just makes a big loop. If you go too far, Booth just dead ends onto a cul-de-sack. You will go up a big hill in either case.

Our house is near the top of the hill (AFTER you make one of the lefts). Theres a lamppost at the foot of our drive with the address (604 OAKCREST). The driveway is very long and the house sits at the bottom so its hard to see from the street. I will have the drive lights on (like a runway!). You can park in the driveway, but if you don't want to get blocked, you can park along the street in our cul-de-sack. Lottsa room ..the deer won't mind.

WARNING. We live in the WOODS and NO street lights,etc! Its MUCH easier to find in daylight (hint). I will monitor 146.225 and 444.150 in case you get lost.

Tel# is 933-7889

Email wr4i@nando.net

(if you could RSVP to me or Paul would appreciate it so can get a head count for the pizza'etc and also know when to send a search party out!) Pizza and sodas starting at 7pm. It you get here early you can help me put up a small tower and beam I bought at Cary swapfest<g>. Looking forward to seeing you all!

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: "m.faulkner" <mike@g0ifk.u-net.com>  
Subject: [3653] Knitting needles  
Message-ID: <1.5.4.32.19960905202127.00673864@mail.u-net.com>

Hi Guys.

Seen the mention of knitting needle filed down to screwdriver blades etc.

Try this:-

Get an old component. trimmer cap, coil core etc.

Melt the end of the plastic knitting needle with a cigarette lighter.

While it is still molten press it onto the component.

This will make a perfect impression of the slot.

I have one of these in the shack and has lasted me about three years now.  
One end is for small trimmer caps and the other end is for a hex coil core  
in my century 22.

PS Knitting needles also make a good insulated shaft. I use them in my ATU

Mike G0IFK

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: Dennis Marandos <k1lgq@dennis.mv.com>  
Subject: [3683] Last call - NEQRP newsletter 72  
Message-ID: <1.5.4.32.19960906044730.002bbe6c@pop.mv.net>

DE - K1LGQ Dennis Marandos

This is the last call for anyone who would like to contribute to the New England QRP Club newsletter for the next issue. Compose your ideas and send them to me before September 14th, which is a week from this Saturday.

If you have NOT already sent me your NEW call up-date, do so and I will include it in the next issue. Several people have up-graded with a new call leaving the old one in the dust. The first phase of the FCC's vanity call system has placed your old call in limbo, so send me your up-date for the next issue for all to see and to know who you are.

If you have an interesting anecdote (story) you feel would be of

interest to the QRP reading society, send it along to me and I'll format your column for the next issue. Also, if you're using WORD for Windows, Version 6 or 7, you might want to attached a file. Pictures and graphs and sketches are always welcomed.

Also, if you have some special, or not so special, ideas about how to do something clever in your shack, in building your QRP, or in operating on the bands, send it along to me for publication. A lot of people love to see and hear what others are doing and this is your way to become know. It is also our way of having it known for others to see.

Finally, I am still interested in the person who can convince their reader that they have a story which might, or might not, be true. Is there a person amongst us who can stretch the truth and wrote a Sci-Fi story that will defy gravity? Is there not a member of the QRP-Lister who would like to write about the RF waves that melted the north pole and flooded the low lands of Arabia, causing unforeseen plants and all types of vegetation to grow? Or a tidal bore which sent thousands of people into the waters from their wooden houses along the rivers. Are we all nerds that we only like to get-off on what other's write...without making our own contribution? Here is your chance to get hot and get off the pot! It's a challenge and you have been given the opportunity. Put those deep thinking brain cells of yours to work and give it a try. (December is the next deadline for your second try.)

The New England QRP AFIELD contest will be on the 21st of this month (Saturday), a week after the deadline for the next issue of 72, but if you can put your thoughts together and send me your action/reaction of that day, I would like to use as much of it in the next issue for others to see and hear. Get ready for this one, for the power house operators in New England are challenging the rest of the country for high scores! We're going to light up all the N. E. lighthouses and we're stirring up all the lobsters in the ocean to honor all RF into this region! Clam chowder and white steeples are just a few of the operating pleasures we have to offer.

Dennis Marandos - K1LGQ  
New England QRP Club newsletter - 72

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From owner-qrp-l@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: chuckolson@juno.com (Chuck Olson)  
Subject: [3621] LC Audio Filter Kits from Ed Wetherhold, W3NQN - continued (LONG)  
Message-ID: <19960905.002543.4863.1.chuckolson@juno.com>

Continued from the previous message -

Danny, K3TKS, answered my question on this list about 88 mH toroid sources - he informed me that Ed, W3NQN, is a source for surplus 88mH toroids used in LC audio filters. Danny suggested that I inform the list about Ed's offerings after I checked it out.

Well, here is my report on what Ed has to offer and how you can get it.

First, I wrote to Ed (including a SASE) asking for info on the free toroids and matched capacitor kits. Ed sent me a letter, a photocopy of one of his magazine articles (he has written 15 in all!) on a CW filter and a testimonial from a satisfied user. The letter detailed the costs of the items that Ed has for sale - the letter is summarized here:

-----  
Regarding your request to send an email copy of my letter detailing the costs of the CW filter to the QRP-L group of hams interested in QRP - YES, YOU HAVE MY PERMISSION TO DO THIS ; however, please include the warning that the listed prices are subject to change depending on availability of these parts from various sources from which I obtain them. Also, ANY REQUESTS FOR INFORMATION MUST INCLUDE:

- (1) a stamped (\$0.32), self-addressed BUSINESS-SIZED envelope;
- (2) a statement as to how my name and address were obtained ;
- (3) an explanation of what the parts will be used for; and
- (4) some background information as to the construction experience of the user, the receiver type the filter will be used with (for example, specify the name and side tone frequency of the transceiver), and any other information that the user can provide to allow me to judge if the request for parts is appropriate, I frequently receive a hastily scribbled note on a sheet of ripped-off tablet paper accompanied with a SASE asking for "info" with no background as to the reason for the request, how my name was obtained, no indication of which article or publication my filter design was seen, etc. Since my filter designs have been published in about seven different magazines in about 15 different articles over the past 15 years, it is necessary that I learn WHICH of my articles the requestor is referring to. I want to receive requests from only those who are SERIOUSLY INTERESTED IN CONSTRUCTING MY DESIGNS. I respond to each letter with a personal reply and I don't want to waste any unnecessary time responding to those only partially interested.

I can supply matched cap sets for center frequencies of 537, 750 and 800 Hz, if you are using a transceiver, the sidetone frequency of your transceiver must be the same as the center frequency of the CW filter, WHEN YOU ORDER, PLEASE SPECIFY YOUR DESIRED CENTER FREQUENCY.

1. Inductor set (88-mH stack & two bifilar-wound 88-mH inductors)\*NO CHARGE
  2. One mounting clip for the inductor stack - - - - - \$ 0.50
  3. Two matching transformers, 8/200-ohm c.t., 0.2-W (@ \$1.50 ea) \$ 3.00
  4. One matched capacitor set for cw filter (F-center = ... ??? Hz) - \$ 4.50
  5. One phone jack, 1/4-inch mono-circuit - - - - - \$ 0.50
  6. One phone plug (1/4-inch mono- ", ) with 21-in, shielded cable- \$ 0.50
  7. One min. DPDT toggle switch (ON-OFF-ON) for 1/4-in hole mounting \$ 1.50
  8. Pre-punched plastic box w/rubber bumpers (See Fig 3 enclosed) - \$ 5.50
  9. Lengths of plastic insulated #26 wire for fi lter wiring- - - - NO CHARGE
  10. Two 1/4-w R1 resistors, 12 or 15 ohms (See schematic in Fig 1) NO CHARGE
- PACKING AND PRIORITY SHIPPING TO Washington Island, Wi - - \$ 6.00

Total cost for parts and PRIORITY shipping of one cw filter kit - \$22.00

\* The inductors are provided free by the C&P Telephone Co. of Maryland.

Make your check payable to ED WETHERHOLD. If there are any parts in the above list you do not want, specify which to omit and reduce your paint accordingly.

If you order the pre-punched plastic box listed above for the cw filter, I will mount the plastic clip on the inside of the box with #6-32 flat-head screws installed in counter-sunk holes to make a smooth outside surface on the side of the box, and I will also mount the phone jack and DPDT switch, You will install the rest of the components and do all wiring and testing.

-----  
It's me again - don't blame the typos on Ed, my OCR program stinks.

Best Regards,

Chuck  
WB9KZY  
Washington Island, WI

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: "Lau, Zack, KH6CP" <z1au@arrl.org>

Subject: [3646] Misc. QRP Info Needed for Presentation  
Message-ID: <m0uyhis-000f4pC@mgate.arrl.org>

Don't forget awards/contests that can be obtained running QRP, even if there isn't a specific QRP endorsement. Many of the VUCC awards can be obtained with low power. 6 meter E skip is a great way for a beginner to work 100 grids. On the other hand, you can build a low cost 10 GHz WBFM rig and work 5 grids from mountaintop or high observation deck (Sear's tower??) I think you can even win a nice plaque in the PA QSO party running QRP.

Zack Lau KH6CP/1  
zlau@arrl.org

From owner-qrp-l@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: QLF@mimi@magic.itg.ti.com  
Subject: [3630] MODE A/MODE B  
Message-ID: <9609051243.AA16129@itg.ti.com>

From: Brad Bradfield QLF

Subj: MODE A/MODE B

I know it's been discussed here before, but because I don't have a Curtis keyer of any kind I don't know the difference between Mode A and Mode B. For the purpose of filling out Chuck's CW survey, would someone please e-mail me direct and tell me the difference? Tnx.

73's

Brad, WB0CGH

\*\*\*\*\*  
Brad Bradfield, PE Electrical Design Engineer  
(H) 817-321-2960 Texas Instruments, Inc.  
(W) 214-462-6230

Real men talk with their fingers!

QLF@MSG.TI.COM

WB0CGH@W05H.#DFW.TX.USA.NA

ARRL Life Member QRP-L #377 SMIRK #4906 IEEE(M) ARS #72  
Collector of wireless and landline Morse keys and accessories.

\*\*\*\*\*



From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: NoesisDG@aol.com  
Subject: [3680] Non-inductive resistors  
Message-ID: <960905225156\_278419742@emout12.mail.aol.com>

Just a quick note for those who are having a hard time finding 1W carbon composition resistors for QRP dummy loads or circuit construction.

I needed 4 x1 watt non-inductive resistors for a forward/reflected power meter circuit that I am building inside 2 x1" copper plumbing pipe caps (novel case!). Well today I was in Radio Shack and looked at their Cat. No. 271-152A Metal Oxide Power Resistors 100 ohms 5% (2). They didn't say that they were non-inductive, but at 49 cents for the packet of two I bought of couple of packets.

When I got home I twisted the wires together on the two resistors together to put them in parallel making a 50 ohm 2 watt resistor and connected the assembly (albeit kludgily) to my MFJ-259 Antenna Analyzer's UHF connector by poking one end of the twisted leads into the center contact and holding the other ends to the outside of the connector with my fingers.

Over the 1.8 to 30 MHz range the resistors showed a nice flat 50 ohm reading (SWR 1.0). I cranked the frequency all the way up to 170MHz and the SWR went up to a modest 1.5 (that's about 75 ohms effective) but I am sure most of that was due to the inductance in the bent over leads. Back down at 144 MHz I got an SWR reading of about 1.2 (again most likely from the lead dress). So by my rough check they certainly seem non-inductive enough for any practical purpose.

Admittedly the hookup and measurement was crude but certainly good enough for my purposes, and perhaps yours too.

72/73,

David Gwillim  
KB2TQX / QRP

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: "Phil, AC6LS" <ac6ls@amsat.org>  
Subject: [3626] NorCal Cascade improvements?????  
Message-ID: <322E89CB.3A24@amsat.org>

Well, I still have the kit as delivered from Doug, in the bag. Recall getting a list of improvements involving poly caps and some others. Getting around to ordering the parts before attempting to put the kit

together has been the big procrastination on this end.  
Now, I am putting together an order for Mouser, and I cant find the  
info! (par for the course here!)

I would appreciate if someone could e-mail the stuff my way, I also  
recall something along the lines of adding a switch in durring assembly  
for the use of tuning, cant find that either!

any improvements for the Cascade would be appreciated, and If you could  
provide part #'s that would be even better.

Thanks for the time. 72 de PHil

btw, I promise not to lose any infomation sent my way :-)

From owner-qrp-l@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: "Robert J. Gobrick" <rgobrick@nfld.com>  
Subject: [3667] NORCAL CASCADE kit for sale  
Message-ID: <2.2.32.19960905210925.008bc5ac@public.compuserult.nf.ca>

QRP-L gang,

It has happened - kit overload has hit - I have too many winter projects  
(what happened to summer?)

So, I have for sale a brand new NorCal Cascade 20/75 meter, 5-8 watt SSB  
transceiver kit still packaged up in the original Jim Cates WA6GER sealed  
Plastic Bag Special. The unit has a nice "build-by-section" manual etc. I  
will sell for the price I paid NorCal - \$165 (they sold out last 50 kits at  
\$199). I will pay postage. The Cascade can be fitted with the new  
Wilderness KC-2 for the folks who like more bells-and-whistles for their SSB  
rigs.

Please drop me a private note if interested to my email addresses below.

Cheers 73/72 Bob V01DRB/WA6ERB

```
-----  
| Bob Gobrick - V01DRB/WA6ERB/VE2DRB - Newfoundland, Canada |  
| QRPer Galore - QRP ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |  
| Internet: rgobrick@nfld.com |  
| Compuserve: 70466.1405@compuserve.com |  
-----
```

From owner-qrp-l@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: "Robert J. Gobrick" <rgobrick@nfld.com>  
Subject: [3675] NORCAL CASCADE kit SOLD  
Message-ID: <2.2.32.19960906003904.009e9a0c@nfld.com>

QRP-L gang,

The NorCal Cascade kit has been sold and will now reside in a new home in the midlands of Indiana.

Thanks to all on this great list.

Cheers 73/72 Bob VO1DRB/WA6ERB

>  
>So, I have for sale a brand new NorCal Cascade 20/75 meter, 5-8 watt SSB  
>transceiver kit still packaged up in the original Jim Cates WA6GER sealed  
>Plastic Bag Special. The unit has a nice "build-by-section" manual etc. I  
>will sell for the price I paid NorCal - \$165 (they sold out last 50 kits at  
>\$199). I will pay postage. The Cascade can be fitted with the new  
>Wilderness KC-2 for the folks who like more bells-and-whistles for their SSB  
>rigs.

```
-----  
| Bob Gobrick - VO1DRB/WA6ERB/VE2DRB - Newfoundland, Canada |  
| QRP'er Galore - QRP ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |  
| Internet: rgobrick@nfld.com |  
| Compuserve: 70466.1405@compuserve.com |  
|-----
```

From owner-qrp-l@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: adams@chuck.dallas.sgi.com (chuck adams)  
Subject: [3629] NorTex Announcement  
Message-ID: <199609051233.MAA04173@chuck.dallas.sgi.com>

The North Texas QRP Club, a.k.a. NorTex,  
will meet this coming Saturday, September 7, 1996,  
at 10a.m. at Silicon Graphics Inc Cray Research offices.  
The location is 6200 LBJ Freeway.

What you do is get to Preston@LBJ. Get on the south access

road going East and go about 300 yards or so just past the Best Western Hotel and an empty lot. Make the next turn into the parking lot. There is a sign with 6200 LBJ on it showing an arrow to parking and deliveries.

I'll see if I can get there early and set up an OHR100 30M rig and the portable dipole in the parking lot.

Call everyone that you know (the guys in the NorTex group :-) and remind them. I'll call too. Bring a friend.

The room is on the second floor as you go in the West side of the building you'll enter the central area and there is a winding staircase (or you can be lazy and take the elevator) to the second floor. The room is on the north end of the building. You can't miss it.

I'd personally recommend leaving to get here a little early as there is some construction going on for a new HOV lane on LBJ. Wouldn't you know it.

dit dit es tnX  
Chuck Adams (K5FO CP-60) adams@sgi.com

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: Dick Schneider <74602.3317@CompuServe.COM>  
Subject: [3601] on 40m in canada  
Message-ID: <960904194653\_74602.3317\_EHH73-6@CompuServe.COM>

QST...

I'll be on the air with 1 watt from Pender Harbor area north of Vancouver starting Saturday Sept. 7 thru Wed. Sept. 11. 7040+/- 5 or so. Early evening:

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: Monte Stark <ku7y@sage.dri.edu>  
Subject: [3654] Packet  
Message-ID: <Pine.SUN.3.90.960905130044.13550B-1000000@vortex.sage.dri.edu>

Not quite QRP, but does anyone know where I can get a free program for 2m packet that will run on a 286?

And it's gotta be simple enough for even me to use!

Thanks for the BW, cul,

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: Jim Cadorett/US/3Com <Jim\_Cadorett@3mail.3Com.COM>  
Subject: [3659] QRP-L digest 473  
Message-ID: <9609052102.AA4134@hqsmtp2.ops.3com.com>

QRP-L Digest 473

From owner-qrp-l@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: TimMcFadden <101346.3062@CompuServe.COM>  
Subject: [3623] QRP-L List  
Message-ID: <960905065839\_101346.3062\_GHW82-1@CompuServe.COM>

I would like to inquire about receiving the QRP-L on a regular basis.

Tnx!!

73's

Tim DA2TF / KB2RLB

From owner-qrp-l@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: Russ1031@aol.com  
Subject: [3645] Results for the September Spartan Sprint  
Message-ID: <960905120938\_302068456@emout15.mail.aol.com>

Well, just as I was still marvelling over W3TS' QSO per pound ratio in the August Sprints, Mike produced yet another world record in the September Sprint. He shattered the old record of 25 Qs per pound with a remarkable performance of 37.5 Qs per pound.

But the rest of us had a fine time as well. Thanks to the overlap with the Michigan QRP contest, there was plenty of activity. As fall and winter start to bring better conditions, and as the Spartan Sprint momentum continues to build, I'm predicting some sizzling two hour

sessions ahead.

You'll enjoy the soapbox. It was posted today on the QRP-L in a separate posting.

As usual, the top four contenders in the QSO per pound category will receive handsome certificates. The scruffy contest manager isn't eligible, so you can mentally remove him from the list.

MARK YOUR CALENDARS FOR THE STANDARD SPRINT DATE IN OCTOBER! (The first Monday of the month, or October 7.) The contest manager will be on a hiking trip in Bhutan, so Richard Fisher, KI6SN, will take over as contest manager for that month. Finally, you'll be in competent hands.

For the following tables to line up correctly, be sure that your e-mail reader is set up with a monospaced font.

Sorted in order of Qs per pound:

Call	Name	QSOs	Wt.	Qs/Pound
W3TS	Mike	30	.8	37.50
AA7QU	Russ	38	2.7	14.07
KI6SN	Richard	7	1.8	3.89
W7UOX	Phil	5	1.75	2.86
WD6FDD	Rich	8	3.5	2.29
WB4ZKA	Mike	14	6.6	2.12
K8IDN	Steve	17	8.5	2.00
WJ4P	Randy	10	7.25	1.38
N2CQ	Ken	14	13	1.08
N7CQR	Dan	4	6	0.67
WB5GWB	Jeff	14	30	0.47
AE4CA	Bob	20	75	0.27
AB7OA	Kent	2	10.7	0.19

Sorted in order of Qs:

Call	Name	QSOs	Wt.	Qs/Pound
AA7QU	Russ	38	2.7	14.07
W3TS	Mike	30	.8	37.50
AE4CA	Bob	20	75	0.27
K8IDN	Steve	17	8.5	2.00
WB5GWB	Jeff	14	30	0.47
WB4ZKA	Mike	14	6.6	2.12
N2CQ	Ken	14	13	1.08
WJ4P	Randy	10	7.25	1.38
WD6FDD	Rich	8	3.5	2.29

KI6SN	Richard	7	1.8	3.89
W7UOX	Phil	5	1.75	2.86
N7CQR	Dan	4	6	0.67
AB7OA	Kent	2	10.7	0.19

Thanks for your participation. Think October 7!

Russ, AA7QU, Contest Manager  
ARS #1

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: "LSCHAUMB" <lschaumb@dscc.dk>  
Subject: [3636] Re[2]: Commercial using Morse Code  
Message-ID: <9608058419.AA841935603@smtpplink.dscc.dk>

I recently watched a spot from a local TV-station about a man who was retired and now spent his time on training dogs for sledging. Suddenly he whistled -.- (K) - and all his dogs came running !

The explanation came later, he was retired from a job as telegraphist !

So don't say that learning code is hard, even a dog can do it !

Vy 73 de Lars, OZ1CJX

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: SYDV00A@prodigy.com (MR FLOYD E SMITHBERG)  
Subject: [3661] ScQRPion Meeting Sat!!!  
Message-ID: <199609052005.QAA11536@mime4.prodigy.com>

Attention all QRP'rs: The Sept meeting will be this Sat 1030 MST at:

Luby's 1933 W. Dunlap Phoenix (next to HRO)

Y'all come, bring show and tell, questions, answers for a good time and stay for lunch and more "rag chewing." Brian and Joe will have the latest on projects and contests. Hope to see you all there....bring a friend too.

Floyd NQ7X Phoenix ScQRPion

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: PDouglas12@aol.com  
Subject: [3640] Sierra Front Panel arrived  
Message-ID: <960905110017\_516399581@emout13.mail.aol.com>

Gang,

Last week or so the discussion about how to make square holes petered out (mercifully?). I think it started when some of us noted that installing the new KC2 into a Sierra required such a hole, precision located relative to four mounting holes for the push buttons. The easy way, of course, was to order the Wilderness Sierra front panel with KC2 and Variable bandwidth holes already punched in/painted & labelled. Although I already have a nibbling tool, I know a good thing when I see it, and I ordered the ready-made panel.

Well mine arrived priority mail yesterday in a little box. In a word: GORGEOUS. I have the KC2 in there already. I have the VBT mod 1/2 done--I have learned to put down the soldering pencil after 10pm on a worknight as fatigue sets in.

Anyway, this Sierra/KC2 combo is handsome and I expect it to work as well as my other Sierra/KC1 which has been my workhorse station this past year. If it works as well as it looks, this one is going to be a keeper.

72 all,

Preston WJ2V

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: Russ1031@aol.com  
Subject: [3644] Soapbox for the September Spartan Sprint (Long)  
Message-ID: <960905120949\_302068563@emout12.mail.aol.com>

Here is the soapbox for the September Spartant Sprints.

\*\*\*\*\*

Had a ball operating two (count 'em!) two contests at once. Does it get any better than this????

My qso rate is down because I reduced my power to 900 mws for a couple of hours.

I had 10 QSO's during the "sprint hours" and I managed to get 8 qso's earlier.

I was tempted to remove the covers from the OHR400 to get the weight down, but decided that was not "hoyle".

Rig: OHR400 and Brass Racer and gel cell



Total wt: 7.25 lbs

72, Randy WJ4P

\*\*\*\*\*

I ran an output power of 5 watts, as measured by my Tucker T-1000 Antenna tuner.

The T-1000 was calibrated via an Oak Hills Res WM-1

My rig was a Yaseu FT-840 turned down to 5 watts.

It was powered by a 12.8 Volt deep cycle battery.

Antenea was an 80m Horizontal Loop with 300 ohm feed line

(way to heavy to lug any further than car <-> picnic table!)

"Thanks to each contester that persisted in copying my ragged fist,  
as I am attempting to transistion from Vibroplex bug to electronic  
keyer."

"This QSO Party/Sprint was a shake-down cruise for a hambrew keyer  
circuit that

I plan to use /PQ. It may save some weight, but for sure will send  
better code

than the straight key I just brought back from 1/2 day hike on the  
Appalachian Trail."

Bob, AE4CA

\*\*\*\*\*

QSO's = 2

Weight = 10.7 pounds    q's/lb = 0.187

Fun = 99

Worked 20 this time...heard your (i guess last) call 599 in arizona, but  
being a timid sort, I waited for a second call. It was around 6:30, I  
think. Picked up two other guys real quick then, but the second was a  
relatively new ham (1/2 year) who had just upgraded to advanced, so we had  
a \*slow\* rag-chew...lots of fun encourageing him to keep at it. He was  
qrp  
also :-)) Then my sister called for a 1 hour chat. By then, no-one was  
around on 20, and my 40 meter setup is currently defunct, so end of  
contest....

72, ab7oa

Kent Torell

\*\*\*\*\*

This was my first QRP contest and my first contest in many years. What a blast to be able to call tiny signals and have them answer nearly every time! Forty meters was wild and wooly with QRM/QRN, but everyone (especially N40LN) hung in there until I QSLed. Also taught my 10 year old how to log, so next time we'll be ready. (Now if only he'd learn Morse!) Station: TT Scout modified to be an Argo 556, 5w / dipole @ 30 ft in trees, ladderline, TT 254 tuner / Vibroplex single lever paddle / car battery (ugh!).

Jeff, WB5GWB

\*\*\*\*\*

14 stations  
6.6 lbs

2.1 QSOs/lb.

I recognized only 2 stations by callsign -- you (thanks for the contact!) and Marshall AA0XI in CO. My best DX for the evening was W3TS, Dana in PA.

Using my 0.95W, PA clearly qualifies for the KM/W award (2093 mi./W).

Shoot, OR almost does. I don't think I'll submit for it until the Chuckster digs through the pile of applications he already has. (He has applications from me for about 10 certificates in that pile.)

The usual summer QRN rattled my headphones, but thankfully Phoenix didn't have our afternoon thunderstorm yesterday. The Hiram P.

Maxim

contest was under way as well, with a couple strong stations parked on

7040. Despite the odds, our QRP whispers prevailed!

My station consists of the NE 40/40 running 0.95W, Palomar PK-50 memory keyer, Bencher paddles, walkman headphones, and a BSN (Brand Spanking New!) 3Ah gel cell. I used the ground mounted Butternut vertical antenna.

Speaking of new batteries, a new store called Batteries Plus recently

opened near my home. They may be a chain. They carry everything from

watch batteries (installed!) to automotive and deep cycle batteries.

After wandering and pondering through their displays awhile, I  
picked  
up the BSN 3Ah cell for about \$21. It is the first new gel cell  
I've  
owned in years! It has spade terminals, measures about 5" x 2.5" x  
3"  
and weighs about 2 lbs. It's much more portable than the ~28Ah  
powered chair gel cell I've been using. I intend to take only this  
small cell to QRP Afield this month.

I'm not fully backpack-able yet, but I can see it from here!

Thanks again for sponsoring the Spartan Sprints, Russ! Good to hear  
you on last night.

Regards,

-- Mike Pulley, WB4ZKA

\*\*\*\*\*

Russ, sorry I missed you in Mondays Sprint. I used the same gear as last  
time.

Rig: SW40 in a cut down Bud box a little larger than a cassette tape,  
but now a thin cardboard  
back. That saves about 1 oz, but I don't think it would be real durable  
for field use. 7.5 oz.

"Ear Bud" ear phones from my kids Gameboy, 0.25 oz.

Keyer: A new circuit with minimum pcb and light weight parts and relay  
contacts for a paddle, 1.5  
oz.

Power: 10 x N200AAA nicads, 3.5 oz.

Total station weight: 12.75 oz.

Antenna: 40 M inverted vee up 60 feet, no tuner used.

Again, I used only 40M and I missed about 45 minutes of the Sprint due  
to a sked on 75M that I keep every Monday night.

I made 30 QSO's, I think the Michigan Sprint helped with the activity. I  
am also going to send my log in to the MI Sprint as a monoband 40M log.

I hope this E-MAIL makes it to you in time, I think I will also send it through my friends link.

Please reply so I know this went through O.K.

I sure enjoy these short contests, hope to work you in the next one.

TNX, 72 es 73,  
Mike Michael, W3TS

\*\*\*\*\*

>From Richard Fisher, KI6SN:

I was able to work only the last 40 minutes of the SP, but 40 meters was in relatively good shape and ended up with a handful of contacts. Was using the NorCal-40A with KC-1, a G5RV (sans antenna tuner), Walkman-style headphones, Galbraith miniature paddle and 8-AA batteries. Weight: 1.8 pounds.

Stations worked included: AA7QU (Oregon), K5HK (Nevada), K5QXX (California), W6FZA (California), WX7M (Nevada), WJ7H (Utah) and AA7WT (Montana). Many thanks to the operators who pulled my 1-watt out of the QRN. Will look for you all in October.

\*\*\*\*\*

8 contacts, all on 40..weight of station,3.5 lbs.  
Rich, WD6FDD

I was just about to give up and hang my head and send in my 3 contacts. Then I took my NW40 into my 30 ft. 5th wheel with a hustler antenna on top of it and got 5 more qso's. I guess my wire loop for 40 was just not as good as that hustler resonator for this sprint. Lots of noise, lots of QRM, lots of QRN and lots of FUN. See ya all next month.... 72's rich wd6fdd

\*\*\*\*\*

My first Sprint..and not a memorable one (gotta start sometime, tho). set up in backyard with a portable inverted V on 40 meters using NC-40A, etc. Total station weight 1.75 lbs (good). Total qsos = 5 (bad). Actually 40 seemed pretty noisy here tonight, but there were quite a few I could hear but not work (a likely situation with QRP). Due to company only got about 40-50 minutes of operating in.

Good practice and very enjoyable. Looking forward to the next one.

73...Phil, W7UOX

\*\*\*\*\*

N2CQ

Ken Newman

81 Holly Dr.

Woodbury, NJ 08096

Equipment: OHR Explorer II 16oz +  
KEYER CMOS 1 13oz  
VIBROPLEX PADDLE 16oz +  
MFJ 971 Tuner 16oz +  
Power Center (Batt) 7lbs  
Bathroom Scale for all equipment= 13-14lbs

QSO's per watt: 1

Unusually good conditions this session. The job took away a fair amount of QRP time, leaving me only a little more than an hour. Maybe next time.

I recommend UTC time for all logs and announcements. Most people who work some DX will be really unlikely to receive QSL's!

72, de Ken - N2CQ

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996

From: Bob Liesenfeld <wb0poq@visi.com>

Subject: [3665] SOS!

Message-ID: <322F4774.70D2A61D@visi.com>

Yes! It is my all time favorite add. Every time it would come on, I would laugh and laugh and..... and my girlfriend thought "Surely he is nuts after all....."

72

Bob wb0poq@visi.com

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996

From: Bensondj@aol.com

Subject: [3576] SSB Rig announcement

Hi Gang-

Thanks to Jay, WA5WHN for posting info on the new White Mountain SSB rig to QRP-L! I had just begun sending out flyers and Jay was kind enough to put the good word out for general distribution.

I've received a number of inquiries, so I'll answer some of the common questions in this forum. The White Mountain board is double-sided, PTH and masked, measuring about 4.4 x 5.3". The enclosure itself measures about 1.5(H) x 5.6(W) x 5(D) and the board slides directly into the extrusion's side rails.

I avoided a proliferation of NE602s in this rig; there's only one. Other mixer functions use TUF-1 diode-ring mixers for good inherent LO suppression and relatively high intercept points. This conservative approach accounts for the relatively high (120 mA) power supply idling current.

The receiver lineup is:

J309	preamp, low-gain
TUF-1	First Mixer
2N5109	Post-amp
	(4-pole filter)
MC1350	IF Amp
NE602A	Prod. Detector
LM380	AF Amp

As Jay mentioned, the microphone is not included, but it's the ubiquitous Icom/Yaesu (and compatible) HT speaker/ mike. What *is* included with the board kit, however, is the manual - It's presently at 27 pages and may grow slightly more before I begin shipping. It includes staged assembly instructions with partial checkout procedures.

Thanks to all who sent me e-mail! I'll get back to each of you as soon as I can, and feel free to contact me for information.

72, Dave Benson, NN1G  
(Small Wonder Labs)

From owner-qrp-l@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: Allen Jones <ajones@adsnet.com>  
Subject: [3631] St. Louis Tuner For Sale

Message-ID: <1.5.4.16.19960905080324.2f5f89da@206.158.2.1>

I have one fully constructed St. Louis Tuner for sale. The panels are painted white and the case is black to match the OHR series of transceivers. Asking \$84 which includes shipping to the lower 48. I have a spare Sierra case and have plans to home brew something a little different this winter.

72/3 . . .

Allen Jones  
ajones@adsnet.com  
219-873-2848 (office til 5PM CDST)

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: Allen Jones <ajones@adsnet.com>  
Subject: [3649] St. Louis Tuner For Sale  
Message-ID: <1.5.4.16.19960905123027.2de726c2@206.158.2.1>

The tuner has been sold.

Thanks to all . . .

72/3 . . .

Allen Jones  
ajones@adsnet.com

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: jerry@otherside.com (Jerry L. Kitterman)  
Subject: [3616] Still trying to trade!  
Message-ID: <199609050446.MAA27384@nirvana.otherside.com>

Hello guys (and gals)

Maybe I did not explain myself very well on the last msg? I have an Argo 509, 208 cw filter and the S-30 Signalizer for trade. Looking for small hf rig (20 watts or so) that I could run mobile cw with and would like it to be able to run qrp also but not too important OR I may consider trading it for an all mode 2 meter rig. Something in the order of 10 watts or so.

Also, would like to hear from people that have run the Argo 509 mobile and how about the lack of a noise blanker? Do you guys think that the 509 might

be too fragile to run very long mobile or what? Any info very much appreciated and thanks for the air space.

Contact me via e-mail at jerry@otherside.com or phone # is 812-923-8152 after 4:00 PM EDT. Thanks again!

Jerry  
WD9CTB

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: adams@chuck.dallas.sgi.com (chuck adams)  
Subject: [3647] Survey  
Message-ID: <199609051657.QAA05310@chuck.dallas.sgi.com>

Gang,

I can not reply to each of you individually, but I do wish to thank those of you that have so far replied to the survey. I have now hit the 100 mark, not bad for a short period of time.

I apologize for a couple of glaring errors, like records twice, but do the best you can. I don't want to post a corrected version since that would be a waste of bandwidth.

Thanks for your support.

dit dit  
Chuck Adams (K5FO CP-60) adams@sgi.com

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: "Taylor Greg" <GTAYLOR@ag-eco.tamu.edu>  
Subject: [3656] Ten Tec Web Site?  
Message-ID: <134D1CC6D89@ag-eco.tamu.edu>

Anybody know if Ten Tec has a web site.....yahoo can't find one.

Tnx, 72, Greg, KD4HZ

\*\*\*\*\*  
Dr. Gregory S. Taylor !MAIL: 340b Blocker Bldg  
Extension Program Leader for ! College Station, TX 77843-2124



Community Development                      !VOICE: 409-845-4445  
Texas Agricultural Extension Service!FAX: 409-847-8744  
Texas A&M University System              !EMAIL: Reply or g-taylor4@tamu.edu  
\*\*\*\*\*

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: "David Kreinberg" <kreinbd@ccgate.dl.nec.com>  
Subject: [3638] WORKING A BIRD  
Message-ID: <9608058419.AA841939872@smtpgw.ccgate.dl.nec.com>

Dear Gang:

Not exactly a QRP question.....

At my local ham meeting, we had a program on AMSAT.  
VERY interesting, really got me pumped up.

However, the speaker left before I got to ask him  
specific questions. So, naturally, I'll ask this  
knowledgeable group for my answers!

I would like to work thru RS-12. Have all the info  
about when she flies over my QTH, etc. In fact, last  
night heard the CW beacon on 29.408 at the exact AOS  
time on my sheet! Truly fantastic.

But, how do I work this? My sheet says that uplink is  
21.210 thru 21.250 and downlink is 29.410 thru 29.450.

Does this mean that if I send on, say, 21.212 that I would  
listen on 29.412?? Or if I send on 21.230 I'd listen on  
29.430?

I heard many Q's (CW and SSB) going on and would really be  
interested in trying this out. Any and all help, even the  
most basic, would be very much appreciated.

Sorry for the bandwidth to those not interested.

TU,

73 de Dave AC5GY

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: "David Kreinberg" <kreinbd@ccgate.dl.nec.com>  
Subject: [3655] WORKING BIRDS - TNX  
Message-ID: <9608058419.AA841960452@smtpgw.ccgate.dl.nec.com>

Many thanks to the many informative answers I got  
about working RS-12. I appreciate everyone keeping  
it simple!

If anybody would like me to relay some info to you,  
drop me a private note and I'll be happy to pass it  
on.

73 de Dave AC5GY

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: GREGOIRE@ENDOR.COM (ERNEST GREGOIRE)  
Subject: [3673] Re: code trainer  
Message-ID: <199609060056.UAA115530@nss2.CC.Lehigh.EDU>

>  
>If anyone in this group has any experience using the "Pocket Morse Code  
>Trainer" as sold by Computer Aided Technology of Dallas, your comments  
>would be appreciated.  
>tnx  
>  
>W9UQB Mike (Phoenix)

Hello Mike,

I have been using that trainer since my business trip to Dallas Tx. in 1994.  
The unit is fun to use and I carry it around constantly. I use it at odd  
times like mowing the lawn. The sound of the code can easily be heard by  
putting a pair of shooting ear protectors, (head phone type). I also put a  
soft ear plug in the other ear to further muffle the sound of the mower.

So this summer I mowed at 30 wpm. No, I can't do a solid copy at that speed.  
But It does keep me in practice, so much so that I don't have to spend as  
much catch up time when I start a contest. Like a lot of folks I have lots  
of things to keep me busy in the summer, and I don't get on the air as much  
as I'd like to. This device keeps me honest. I use it in the car, as well as  
at boring meetings. Some days code just seems right, and I can copy great.  
Other days, I just can't seem to copy hardly at all.

I find that a half hour in the morning and a half hour in the evening is good for me. On days that are especially tiring ,I don't do as well. But it does keep my ear tuned up for "Hearing the Language".

My goal is to become a dynamite code operator. I'm not that yet, so, I practice every chance I get. I know that on the air is the best, but when that is impossible, then this is a good substitute.

de AA1IK  
Ernie

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: "Chris J. Cartwright - ELF" <dsc3cjc@imc220.med.navy.mil>  
Subject: [3634] Re: Commercial using Morse Code  
Message-ID: <Pine.3.89.9609050939.A1729-01000000@imc220>

On Thu, 5 Sep 1996, Greg Weinfurtner wrote:

> Anyone catch the SOS cleaning pad TV commerical that has pot, pans  
> and silverware slamming out: dot,dot,dot dah,dah,dah dit,dit,dit ? I

Comedy Central (a cable channel) also uses ... --- ... in their ads, not really sure why, but its in the background of some of the voice overs.  
I guess there still is some "commercial use" if CW <grin>

-- Christopher Cartwright, Tech. Engineer		...our chief weapons are fear,
-- Voice 301.295.0809 N3XRV		fear and surprise, and nice
-- Mail dsc3cjc@imc220.med.navy.mil		red uniforms, oh damn!!
-- ccart@erols.com		-- Monty Python

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: bob.roach@sourcebbs.com (BOB ROACH)  
Subject: [3625] RE:How do I repay favors?  
Message-ID: <8C7C081.0001041C0B.uuout@sourcebbs.com>

RB>-Brien Pepperdine (Canada), Bob Follett and others have snail-mailed me  
>-mighty good info at their expense and I would like to know what u guys thin  
>-would be appropriate to reciprocate with?

Hello Roy,

Everybody has their own ideas but I have found that most people who do this expect you to:

- (1) Live and learn
- (2) Send "mighty good info" to folks who need

The basic idea is that you help those who helped you, by helping others or.....you can just ship one brand new legal limit amp via UPS "next day" service. <GGG>

RB>-You gotta admit it's awful nice of total strangers to go to the expense and >-hassle of copying/printing and mailing stuff. Couple of bucks, parts, or >-what, do u fellows think is fitting? There are some enormously nice folks i >-this group and I would like feedback on what is the 'traditional' way of >-saying a little more than 'thank you'.

There are definately lots of very nice, very helpful folks out there. It give one hope for the future.

73 de KE4QOK  
Bob

\* SLMR 2.1a \* A loaf of bread, a jug of wine and <occupant>.

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: scicior@cp.uswc.uswest.com (Steve Ciciora)  
Subject: [3637] RE: How do I repay favors?  
Message-ID: <9609051409.AA17519@sp5-316.uswc.uswest.com>

> -- favors are like smiles--  
>  
> ! ! ! PASS THEM ON ! ! !  
>

I agree, extend a favor to the next guy...  
-Steven Ciciora

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: BOB KELLOGG <ae4ic@nr.infi.net>  
Subject: [3641] Re: How do I repay favors?  
Message-ID: <199609051521.LAA22780@mh004.infi.net>

Roy Boggs raises the question:

At 02:23 PM 9/4/96 -0400, you wrote:

>Brien Pepperdine (Canada), Bob Follett and others have snail-mailed me  
>mighty good info at their expense and I would like to know what u guys think  
>would be appropriate to reciprocate with?

One thing I've enjoyed is passing on the kindness to someone else who needs it. Little kindnesses like making a copy for someone or sending a needed part is one of the things that makes the QRP-L group of hams a very special group. It's impossible to payback this group. If we attempted to pay money for the education we get here, we'd have a sizeable tuition payment. But, it's the attempts to payback that we all enjoy.

CUL,

Bob Kellogg, AE4IC

Prolably, but not nececelery. - Benny Hill

From owner-qrp-l@Lehigh.EDU Thu Sep 5 23:12:14 1996

From: "Floyd Soo, KF8AT" <hires@rust.net>

Subject: [3643] Re: How do I repay favors?

Message-ID: <322F20AC.3A00@rust.net>

Several times during my boating experiences of the last few decades on the Great Lakes and off the east coast of Florida, I have encountered vessels in need of assistance. Most of the time, it was something not immediately threatening life of property. After offering assistance, usually a tow, almost all of the folks wanted to offer me money. What I always told these folks was this: "There is no need to pay me for my help. However, if you ever see me or anyone else in distress, remember how you feel now and offer whatever assistance you can! This is the good side of - What goes around, comes around!"

I think this philosophy is appropriate here too!

72,

Floyd, KF8AT

QRP-L #392

From owner-qrp-l@Lehigh.EDU Thu Sep 5 23:12:14 1996

From: N5EM@aol.com

Subject: [3677] Re: How do I repay favors?  
Message-ID: <960905220012\_472706116@emout10.mail.aol.com>

In a message dated 96-09-05 17:52:09 EDT, you write:

> What I  
>always told these folks was this: "There is no need to pay me for my  
>help. However, if you ever see me or anyone else in distress, remember  
>how you feel now and offer whatever assistance you can!

When you read your mail and someone asks a question that has been asked a thousand times and you want to moan "Not that one again", and yet you sit down and craft a thoughtful answer as if no one had ever asked that one before, you are doing exactly this - repaying the favors of others who did the same for you when YOU asked one of THOSE questions. For the newcomer, it's not an old, well worn topic, it's a real question in search of enlightenment. There seem to be an endless supply of folks just this thoughtful on this little part of cyberspace.

72,  
Ed, N5EM

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: rwillcox@newton.cacky.com  
Subject: [3662] Re: HW-8 alignment  
Message-ID: <9609052123.AA00408@newton.cacky.com>

Radio Shack has alignment tools for color TV's that work just fine. I will try and remember to look at mine tonight for a part number.

73's Gary KE4VUN

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: john andrews <jm165723@eee.org>  
Subject: [3617] Re: Index mods? (fwd)(LONG)  
Message-ID: <322E67D8.3222@eee.org>

SCN User wrote:

>  
> Date: Sat, 31 Aug 1996 23:31:28 -0700  
> From: Jim Hossack <w7ls@brigadoon.com>

> To: nwqrp@scn.org  
> Subject: Index mods?  
>  
> Hi, all. I am interested in finding out about any mods for the Index qrp  
> rig. Particularly how to lock the dial and get to the other sideband. I  
> assume that the dial lock involves a spst switch to disable the rotary  
> dial encoder counter and the opposite sideband could be accessed with a  
> second crystal for the bfo. Any specifics would be appreciated.  
> Oh, the dial lock would be handy for mobile operation, which is  
> one of my gigs. 73/72 de Jim, W7LS  
>  
> Duvall, WA

hi gang:

Hav'nt had time to look at the side-band question yet but may have a solution to the dial lock for the QRP+.

It's always been my feeling that some of the best mods are those that can be removed or are unobtrusive.

QRP+ dial lock mod:

1. Locate a knob of your choice that has a flat metal "skirt" that will fit the standard 1/4 drive of the QRP+ VFO.
2. Locate a place to purchase foam tape that sticks on both sides. Radio Shack has this as well as others.
3. Find a piece of fairly thin metal, pc board, heavy plastic about 3/8 x 1" and drill a hole in one of the ends. Using a machine screw of your choice, install in the hole you made and put on a nut and tighten firmly. Place a flat washer and nylon or soft plastic washer over the nut then judge the distance of about 1/8" from the skirt of the knob with the washers and threaded side facing you.
4. Take a piece of the double sticky sided tape and trim to fit the piece of metal/plastic/pc board and affix to the side that is slotted for the screw(the non threaded side).
5. Making sure you have found the best location for the mod, and keeping the 1/8" space fix the mod to the front panel of the QRP+.
6. Adjust the knob up and down until the skirt almost touches the plastic washer, then add a second plastic/nylon washer. Top this with a "wing nut".

Let's make sure I'm clear-

- A. front panel of QRP+
- B. Double sticky sided tape
- C. Machine screw
- D. 3/8 x 1" metal piece
- E. Nut
- F. flat metal washer
- G. plastic washer
- H. Skirt of the knob
- I. second plastic/nylon washer
- J. wing nut.

That's it in sequence. Tune in a QSO and lightly twist the wing nut to lock the dial while mobile.

To remove: very carefully slip an Exacto knife between the panel and cut the tape edgewise. Use Naptha or other commercial solvents to remove the adhesive.

Would like to hear from others on mods for the QRP+(I've seen the Berlin files).

72, John- N5INZ

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: chuckolson@juno.com (Chuck Olson)  
Subject: [3622] Re: LC Audio Filter Kits from Ed Wetherhold, W3NQN  
Message-ID: <19960905.004017.4863.3.chuckolson@juno.com>

I forgot to post his address, it is:

Ed Wetherhold  
W3NQN  
1426 Catlyn Place  
Annapolis, MD 21401-4208

BTW, Ed has sold over 1000 of these filters over the years, it is a well proven design. He also has SSB designs - if you are interested, let him know.

Best Regards,

Chuck  
WB9KZY  
Washington Island, WI



From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: "Phil, AC6LS" <ac6ls@amsat.org>  
Subject: [3627] re: o-scope manuals where to go...!  
Message-ID: <322E8ADF.1434@amsat.org>

Thanks to several of the gang for the info. Thought I would share!

The source for all Techtronics manuals is;  
Ed Matsuda, Test equipment Manuals  
P.O.Box 390613  
San Diego CA, 92149  
(619) 479-0225 FAX (619) 479-1670

The keeper of literally tons of Tek manuals is Deane Kidd W7TYR,  
(503)625-7363.  
His prices to hams are fair and he will do what he says.

Try G & G Electronics in Gaithersburg, MD. Jeff, K3DUA, is proprietor.  
301-258-7373.

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: "Robert J. Gobrick" <rgobrick@nfld.com>  
Subject: [3664] Re: Packet  
Message-ID: <2.2.32.19960905203918.008df8e8@public.compusult.nf.ca>

Hi Ron,

I think you are going to stretch my memory bank - but look around for YAPP  
(Yet another packet program) that is really really basic (qrp style -  
there!!) but good.

Maybe check TAPR, ARRL, etc WWW sites.

I have a copy here some where if I can just find that 5 1/2" floppy...

And if worse comes to worse use an old copy of Procomm or some other modem  
telecom program.

Cheers 73/72 Bob V01DRB/WA6ERB

At 13:02 9/5/96 -0700, you wrote:

>Not quite QRP, but does anyone know where I can get a free  
>program for 2m packet that will run on a 286?  
>  
>And it's gotta be simple enough for even me to use!  
>  
>Thanks for the BW, cul,  
>  
>73, Ron,  
>  
>.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
>....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
>....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....  
>  
>

```
-----  
| Bob Gobrick - VO1DRB/WA6ERB/VE2DRB - Newfoundland, Canada |  
| QRPer Galore - QRP ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |  
| Internet:      rgobrick@nfld.com |  
| Compuserve:    70466.1405@compuserve.com |  
-----
```

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: rright@primenet.com (Roger Hightower)  
Subject: [3651] Re: Re[2]: Commercial using Morse Code  
Message-ID: <199609051754.KAA17010@primenet.com>

At 03:52 PM 9/5/96 wet, LSCHAUMB wrote:

> I recently watched a spot from a local TV-station about  
> a man who was retired and now spent his time on  
> training dogs for sledging. Suddenly he whistled -.-  
> (K) - and all his dogs came running !

When my Springer was a pup, I taught her "sit" and "Down" using whistled  
code "S" and "D". Worked pretty well 'til she came in the shack once when I  
was working a CW test with a speaker...she ran out the door and hasn't  
responded to code since then, :-)

72/73, de Roger AA7QY

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996

From: Dan Hogan <dhhogan@lightside.com>  
Subject: [3678] Re: Re[2]: Commercial using Morse Code  
Message-ID: <m0uyqRP-0006kNC@covina.lightside.com>

OK, I was going to stay out of this but...

The british BBC detective program MORSE, shown on PBS, spells the name out in CW during the intros and credits at about 5 WPM.

Dan Hogan WA6PBY QRP-L #558, CQC #340, NorCal, ARRL  
dhhogan@lightside.com  
Lat. 34d 03' 49.7' N  
Lo. 117d 56' 09.6' W Grid: OM84wc

From owner-qrp-l@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: lve1@inel.gov (Larry V East)  
Subject: [3652] RE: SSB Rig announcement  
Message-ID: <2.2.16.19960905180922.3f3f9426@eloi>

Sounds like a nice little rig -- BUT DOES IT DO CW?? :-)

From owner-qrp-l@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: WJ4PRandy@aol.com  
Subject: [3672] Re: Test a new rig...  
Message-ID: <960905204611\_516704832@emout07.mail.aol.com>

>Subj: Test a new rig...  
>Date: 96-09-03 14:10:31 EDT  
>From: lve1@inel.gov (Larry V East)  
>Sender: owner-qrp-l@Lehigh.EDU  
>Reply-to: lve1@inel.gov  
>To: qrp-l@Lehigh.EDU (Low Power Amateur Radio Discussion)

>Lee, you must have the patience of Job! I have trouble waiting long enough  
>to put the cover on before I fire up a new rig!

>What?? You actually put the COVER on? Bet you even solder up all the  
>connectors... (sheeessh!)

Just so you guys know the "real story"...

When Lee talks about putting the covers on a rig,

that means he'll be using masking tape instead of the supplied screws. That makes it easier to get inside to tweak and tune and modify...  
I'm pretty sure I've seen him solder the connectors.

Just wanted you to know that he's "human". ;)

73, Randy WJ4P

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: sigcom@juno.com (Stephen M Smith)  
Subject: [3618] Re: Tuning tool  
Message-ID: <19960904.204102.8295.0.sigcom@juno.com>

The best tools for trimmer caps and small, slotted slugs that I've found (and I've been in the two-way radio business for over 20 years) are made by the E.F. Johnson Co. for their radios. A kit consisting of three tools with spare "bits" is available. The tools have nylon handles with beryllium oxide shafts in the end. A knurled collar holds the shaft in the end of the tool. Two of the tools are blade types, one about 1/8" wide (great for Mouser "green" coils) and one about 1/16" (the one I use for small ceramic trimmers). The third tool has a tapered wedge shape and the end is about 3/64" wide, perfect for Toko coils, etc.. The shafts are quite brittle and will break if dropped, but they don't wear out if treated properly (of course mine get beat to death out in the field) and they don't detune caps. and coils that they're stuck into, great for setting oscillator freqs, etc. The downside is that the kit is pretty expensive, around \$20.00. But I think they would last a ham forever. I use mine ALOT in the field and I've gone through about three sets in the last 15 years. Replacement shafts only (less the handles) are available also. I don't know where to get these except through an authorized E.F. Johnson land mobile dealer. Check your yellow pages.

(Usual disclaimer applies here)

73.....Steve, WB6TNL QRP-1 #621

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: "Arjen Raateland, SYKE/YV, puh. 90-4030 0457" <Arjen.Raateland@vyh.fi>  
Subject: [3624] RE: Tuning tool  
Message-ID: <01I946NRJZ7M8X0CHG@vyh21.vyh.fi>

>tools with spare "bits" is available. The tools have nylon handles with  
>beryllium oxide shafts in the end. A knurled collar holds the shaft in

^^^^^^^^ ^^^^^  
>73.....Steve, WB6TNL QRP-1 #621  
>

Are you quite sure? BeO is a very hazardous substance.

gl, Arjen OH2ZAZ

Arjen Raateland  
Suomen Ympäristökeskus / YV  
--... ..-... ..-... ..-... ..-... ..-... ..-... ..-...  
Finnish Environment Institute, Helsinki, Finland  
SAS Support  
EMAIL: Arjen.Raateland@vyh.fi  
tel. +358 0 4030 0457  
fax +358 0 4030 0490  
..-.. -.-

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: 05-Sep-1996 0948 <randolph@est.ENET.dec.com>  
Subject: [3635] re: Tuning tool  
Message-ID: <9609051355.AA21741@us4rnc.pko.dec.com>

> I've had some success taking a broken plastic knitting needle I got from the

Another cute trick - cut a long, narrow piece of fiberglass copperclad, remove the copper in whatever way you have available, sharpen one end. You can make as many sizes and shapes as you need, and the fiberglass is plenty rigid enough to do the job...

=====  
Tom Randolph N100Q NE-QRP 419 QRP-L 87 ARRL randolph@asic.enet.dec.com  
=====

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: Bob Schnick KA3YJG <qrp@earthlink.net>  
Subject: [3648] Re: Using a Kenwood 450 for QRP operating  
Message-ID: <322F372B.3264@earthlink.net>

Does anyone out there is QRP land use a stock Kenwood TS-450 for QRP work without external attenuation or modification? I once had a TS 850 in the shack and about as low as it would go was 12-13 watts. I am doing the obligatory internet research before planting my foot in my mouth!

> Thanks.  
>  
> KA3YJG

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: Brian Dockter <brian@nds.com>  
Subject: [3666] Re: Walmart battery:Carefull  
Message-ID: <96Sep5.143913pdt.171245-218+90@rainier.nds.com>

On Sep 4, 1:28am, Dan Keen wrote:  
> Subject: Walmart battery:Carefull  
>  
> I do notice boiling when overcharging portable sealed lead-acid cells, but  
> never have when overcharging a gell cell. Upthread someone said that the  
> walmart used two 6 volt gell cells as opposed to it being a sealed lead-acid  
> product. Can anybody confirm that a gell cell battery will also boil?

I made a comment about it using two 6 volt gell cells. I think there is about a 50% probability that I correctly identified them as gell cells (there is a much greater probability that I correctly identified each as being 6V :-). What I saw was two grey sealed boxes with spade lugs at the top. The boxes were connected in series. If it is important to someone, I could pop open my case again and get make/model numbers.

Brian

--

Brian Dockter (KC7JZL) | Email: brian@nds.com  
Sr. Software Engineer | Voice: 206-524-0014  
Northwest Digital Systems | FAX: 206-524-3440

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: "John Kirk, VE6XT" <jakirk@freenet.calgary.ab.ca>  
Subject: [3669] Re: Working a Bird  
Message-ID: <Pine.A32.3.93.960905180649.14338A-1000000@srv1.freenet.calgary.ab.ca>

Hi:  
Yes, you've basically got it. 21.212 in would give you 29.412 out.  
Downlink frequencies are plus/minus doppler, which can be up to a few kilohertz, so the ultranarrow cw filter is not appropriate. If you have

two rigs, try to listen to yourself as you transmit. Adjust your TX frequency as required to stay on frequency on 10. Otherwise, QSO's would end up on top of each other as everyone chases their QSO partner through the doppler. If you don't have two rigs (or at least one tx and one rx), don't sweat it. The guys and gals on RS12 are very forgiving, and love new to work new stations. RS12 is a very sensitive bird, so no more than a few watts on 15 should be required. (So your question was QRP related after all). RS12's sensitivity is fortunate, because more than a few watts will likely desense you on 10 mtr receive. Etiquette dictates that the bottom 15 kHz of the passband are for CW only. If you have a 2 mtr allmode, RS12 also outputs you on 145.910-145.950 simultaneously. You will hear people refer to this as mode T or KT. If someone is listening on 2, they probably will not come back to you on your preferred freq on 10, as the transponders are slightly off each others frequency, so it pays to tune around a little after calling CQ, like the old days when we all had crystal rigs. Good luck!

73

John

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: Sjolin@aol.com  
Subject: [3670] Re: WORKING A BIRD  
Message-ID: <960905202412\_302406412@emout18.mail.aol.com>

In a message dated 96-09-05 16:08:48 EDT, kreinbd@ccgate.dl.nec.com (David Kreinberg) writes:

<< I would like to work thru RS-12. Have all the info about when she flies over my QTH, etc. In fact, last night heard the CW beacon on 29.408 at the exact AOS time on my sheet! Truly fantastic.

But, how do I work this? My sheet says that uplink is 21.210 thru 21.250 and downlink is 29.410 thru 29.450.

Does this mean that if I send on, say, 21.212 that I would listen on 29.412?? Or if I send on 21.230 I'd listen on 29.430?

>>

Yes, you are correct. But do check the transmit frequency before calling cq or you may land on top of an ongoing qso in the Extra class portion of the phone band. Just because you dont hear a station on the downlink frequency doesnt mean that you wont be qrmng anyone. Not everyone is within range of the bird at the same time, there are hf propagation differences and then

there is doppllar shift.

Also depending on whether the satelllite is coming toward you or away, the apparent frequency will vary some from what you have on your list. Sometimes I have found it to be a few khz. So the listing you have will get you close but you will have to listen for yourself on the bird to be sure.

That is problem that I have with using the 15 meter uplink. My TS-940S will quickly switch between the two bands but I still can't listen to myself on the downlink. I understand that RS-12 is now also using a two meter downlink, so if you have a two meter multi-mode rig you might want to give it a shot that way as well.

Hope this helps. Have fun the satelllites are a lot of fun. 73 de Dave, N0IT

From owner-qrp-1@Lehigh.EDU Thu Sep 5 23:12:14 1996  
From: "Robert J. Gobrick" <rgobrick@nfld.com>  
Subject: [3671] Re: WORKING A BIRD  
Message-ID: <2.2.32.19960905233825.009de30c@nfld.com>

Hi Dave,

Lurking on this qrp-1 list is a true AMSAT elmer by the name of Dave Medley KI6QE. Dave has written for the Amsat Journal and also for the Digital Digest on all kinds of OSCAR topics. So I'm going to cc: this email to him and short circuit the system here - hi.

Good luck - playing with satelllites is a lot of fun and the Russian RS series are a ball to use for the beginner. Have fun.

73/72 Bob V01DRB/WA6ERB

At 09:15 9/5/96 CST, you wrote:

>  
> Dear Gang:  
>  
> Not exactly a QRP question.....  
>  
> At my local ham meeting, we had a program on AMSAT.  
> VERY interesting, really got me pumped up.  
>  
> However, the speaker left before I got to ask him  
> specific questions. So, naturally, I'll ask this  
> knowledgable group for my answers!  
>  
> I would like to work thru RS-12. Have all the info



> about when she flies over my QTH, etc. In fact, last  
> night heard the CW beacon on 29.408 at the exact AOS  
> time on my sheet! Truly fantastic.  
>  
> But, how do I work this? My sheet says that uplink is  
> 21.210 thru 21.250 and downlink is 29.410 thru 29.450.  
>  
> Does this mean that if I send on, say, 21.212 that I would  
> listen on 29.412?? Or if I send on 21.230 I'd listen on  
> 29.430?  
>  
> I heard many Q's (CW and SSB) going on and would really be  
> interested in trying this out. Any and all help, even the  
> most basic, would be very much appreciated.  
>  
> Sorry for the bandwidth to those not interested.  
>  
> TU,  
>  
> 73 de Dave AC5GY  
>  
>  
>

Bob Gobrick - V01DRB/WA6ERB/VE2DRB - Newfoundland, Canada
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